

BRIEF DESCRIPTION OF THE DRAWINGS

The invention will now be described by way of example with reference to the following figures, in which:-

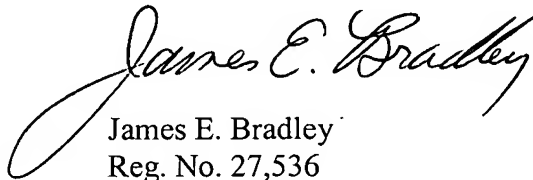
DESCRIPTION OF PREFERRED EMBODIMENTS

A configuration of a linear amplifier according to a first embodiment of the present invention is shown in Figure 1. The device comprises an analogue switch 1, which is preferably suitable for use at high temperatures, for example temperatures of at least about 200EC. An example of a suitable analogue switch is the quadruple analogue switch device HT 1204 DC manufactured by Honeywell, which is specifically designed for use at high temperatures and may operate satisfactorily at 225EC. Figure 2 shows a schematic circuit diagram of one of the switches of the known Honeywell HT 1204 DC analogue switch device. The internal circuitry is shown as comprising three cascaded gates which act as amplifiers. These drive an arrangement of 8 field effect transistors (FETs). The high gain of the amplifiers results in a switching action of the FETs under normal use of the device.

REMARKS

Applicant is amending the claims and the specification to conform to U.S. patent law practices. No new matter has been added as a result of the amendment. The Commissioner is hereby authorized to charge the filing fees in the amount of \$1,000.00 and any additional fees to Bracewell & Giuliani LLP Deposit Account No. 50-0259 (085707.45717).

Respectfully submitted,



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